CUSTOMER__FAX
CUSTOMER__EMAIL

4.3.9.3 Seller Approves Ancillary Service (ancsell)

Seller Approves Ancillary Service (ancsell) is used by the Seller to confirm acceptance after the Seller has approved the purchase of ancillary service.

SELLER__CODE and SELLER__DUNS shall be determined from the registered connection used to input the request.

Template: ancsell

1. Input

ASSIGNMENT__REF
OFFER__PRICE
STATUS=RECEIVED, OFFER, ACCEPTED, REFUSED
STATUS__COMMENTS
SELLER__COMMENTS

2. Response (acknowledgment)

RECORD__STATUS
ASSIGNMENT__REF
OFFER__PRICE
STATUS=RECEIVED, OFFER, ACCEPTED, REFUSED
STATUS__COMMENTS
NEGOTIATED__PRICE__FLAG
RESPONSE__TIME__LIMIT
SELLER__COMMENTS
ERROR__MESSAGE

4.3.9.4 Customer accepts Ancillary Service (anccust)

Customer accepts Ancillary Service (anccust) is used by the customer to confirm acceptance after the seller has approved the purchase of ancillary service.

The Customer must change the BID__PRICE to be equal to the OFFER__PRICE before the STATUS can be set to CONFIRMED.

CUSTOMER__CODE and CUSTOMER__DUNS shall be determined from the registered connection used to input the request.

Template: anccust

1. Input

ASSIGNMENT__REF (Required)
REQUEST__REF
DEAL__REF
BID__PRICE
STATUS=REBID, CONFIRMED, WITHDRAWN
STATUS__COMMENTS
STATUS__NOTIFICATION (If left blank, then the original URL from the ancrequest will be used)
CUSTOMER__COMMENTS

2. Response (Acknowledgment)

RECORD__STATUS
ASSIGNMENT__REF
REQUEST__REF
DEAL__REF
BID__PRICE
STATUS=REBID, CONFIRMED, WITHDRAWN
STATUS__COMMENTS
STATUS__NOTIFICATION
CUSTOMER__COMMENTS
ERROR__MESSAGE

4.3.10 Seller Posting of Ancillary Services

4.3.10.1 Seller Ancillary Services Posting (ancpost)

Seller Ancillary Services Posting (ancpost) is used by the Seller to post information regarding the different services that are available for sale by third party Sellers of ancillary services.

SELLER__CODE and SELLER__DUNS shall be determined from the registered connection used to input the request.

Template: ancpost

1. Input

CONTROL__AREA

SERVICE__DESCRIPTION
CAPACITY
SERVICE__INCREMENT
ANC__SERVICE__TYPE
START__TIME
STOP__TIME
OFFER__START__TIME
OFFER__STOP__TIME
SALE__REF
OFFER__PRICE
SELLER__COMMENTS

2. Response (acknowledgment)

RECORD__STATUS
POSTING__REF (Assigned by TSIP)
CONTROL__AREA
SERVICE__DESCRIPTION
CAPACITY
SERVICE__INCREMENT
ANC__SERVICE__TYPE
START__TIME
STOP__TIME
OFFER__START__TIME
OFFER__STOP__TIME
SALE__REF
OFFER__PRICE
SELLER__COMMENTS
ERROR__MESSAGE

4.3.10.2 Seller Modify Ancillary Services Posting (ancupdate)

Seller Modify Ancillary Services Posting (ancupdate) is used by the Seller to modify posted information regarding ancillary services that are available for sale by a third party Seller.

SELLER__CODE and SELLER__DUNS shall be determined from the registered connection used to input the request.

Template: ancupdate

1. Input

POSTING__REF (Required)
CAPACITY (only if modified)
SERVICE__DESCRIPTION (only if modified)
START__TIME (only if modified)
STOP__TIME (only if modified)
OFFER__START__TIME (only if modified)
OFFER__STOP__TIME (only if modified)
SALE__REF (only if modified)
OFFER__PRICE (only if modified)
SELLER__COMMENTS (only if modified)

2. Response (acknowledgment)

RECORD__STATUS
POSTING__REF
CAPACITY
SERVICE__DESCRIPTION
START__TIME
STOP__TIME
OFFER__START__TIME
OFFER__STOP__TIME
SALE__REF
OFFER__PRICE
SELLER__COMMENTS
ERROR__MESSAGE

4.3.11 Informal Messages

4.3.11.1 Provider/Customer Want Ads and Informal Message Posting Request (messagepost)

Provider/Customer Want Ads and Informal Message Posting Request (messagepost) is used by Providers and Customers who wish to post a message. The valid entries for CATEGORY shall be defined by providers and shall be listed in the List of CATEGORY Template.

One CATEGORY shall be DISCOUNT. All discount prices accepted by a Customer shall be immediately posted as a message using the DISCOUNT CATEGORY. This will permit carry-over from Phase I.

CATEGORY__CODE and CUSTOMER__DUNS shall be determined from the registered connection used to input the request.

Template: messagepost

1. Input

SUBJECT
CATEGORY
VALID__FROM__TIME
VALID__TO__TIME
MESSAGE (must be specified)

2. Response (acknowledgment)

RECORD__STATUS
POSTING__REF (assigned by information provider)
SUBJECT
CATEGORY
VALID__FROM__TIME
VALID__TO__TIME
MESSAGE
ERROR__MESSAGE

4.3.11.2 Message (message)

Message (message) is used to view a posted Want Ad or Informal Message. The CATEGORY data element can be queried. Specifically it shall be possible to query for the CATEGORY of DISCOUNT. This will permit carry-over from Phase 1.

Template: message

1. Query

CUSTOMER__CODE
CUSTOMER__DUNS
POSTING__REF
CATEGORY
VALID__FROM__TIME
VALID__TO__TIME
TIME__POSTED

2. Response

CUSTOMER__CODE
CUSTOMER__DUNS
POSTING__REF
SUBJECT
CATEGORY
VALID__FROM__TIME
VALID__TO__TIME
TIME__POSTED
CUSTOMER__NAME
CUSTOMER__PHONE
CUSTOMER__FAX
CUSTOMER__EMAIL
MESSAGE

4.3.11.3 Provider/Sellers Message Delete Request (messagedelete)

Providers/Sellers Message Delete Request (messagedelete) is used by Providers and Sellers who wish to delete their message. POSTING__REF number is used to determine which message.

CUSTOMER__CODE AND CUSTOMER__DUNS shall be determined from the registered connection used to input the request.

Template: messagedelete

1. Input

POSTING__REF

2. Response (acknowledgment)

RECORD__STATUS
POSTING__REF
ERROR__MESSAGE

4.3.11.4 Personnel Transfers (personnel)

Template: personnel

1. Query

TIME__OF__LAST__UPDATE

START__TIME__POSTED
STOP__TIME__POSTED

2. Response

POSTING__NAME
EMPLOYEE__NAME
FORMER__POSITION
FORMER__COMPANY
FORMER__DEPARTMENT
NEW__POSITION
NEW__COMPANY
NEW__DEPARTMENT
DATE__TIME__EFFECTIVE
DATE__TIME__POSTED
TIME__OF__LAST__UPDATE

4.3.11.5 Discretion (discretion)

Template: discretion

1. Query

START__TIME__POSTED
STOP__TIME__POSTED
START__TIME
STOP__TIME
SERVICE__TYPE
SERVICE__NAME
TIME__OF__LAST__UPDATE

2. Response

POSTING__NAME
RESPONSIBLE__PARTY__NAME (name of person granting discretion)
SERVICE__TYPE (ancillary or transmission)
SERVICE__NAME (make consistent with offering Templates)
TARIFF__REFERENCE
START__TIME
STOP__TIME
DISCRETION__DESCRIPTION
TIME__POSTED
TIME__OF__LAST__UPDATE

4.3.11.6 Standards of Conduct (stdconduct)

Template: stdconduct

1. Query

START__TIME__POSTED
STOP__TIME__POSTED
TIME__OF__LAST__UPDATE

2. Response

POSTING__NAME
RESPONSIBLE__PARTY__NAME
STANDARDS__OF__CONDUCT__ISSUES
TIME__POSTED
TIME__OF__LAST__UPDATE

4.4 File Request and File Download Examples

4.4.1 File Example for Hourly Offering

Example of the request to Primary Provider, aaa, and response for Seller, wxyz, for PATH__NAME ''W/AAAA/PATH__ABC//'' for April 10, 1996 from 8 a.m. to 3 p.m. (Note that the PATH__NAME consists of a REGION__CODE, PRIMARY__PROVIDER__CODE, PATH__CODE, and an OPTIONAL__CODE, separated with a slash, ''/''.) The VERSION for Phase 1A is 1.2.

The request is in the form of a URL query string and the response is a ASCII delimited file.

1. Query

http://(OASIS Node name)/OASIS/aaa/data/ transoffering? ver=1.2&templ=transoffering& fmt=data&pprov=AAAA &pprovduns= 123456789& path=W/AAA/ABC// &seller=WXYZAA &sellerduns=987654321& POR=aaa& POD=bbb& servincre=hourly& TSCLASS1=firm &TSCLASS2=non-firm&tz=PD&stime=19960410080000PD&sptime=19960410150000PD

2. Response Data

REQUEST-STATUS=200↵(Successful)

TIME__STAMP=19960409113526PD↵
VERSION=1.2↵
TEMPLATE=transoffering↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AAAA↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=14↵
COLUMN__HEADERS= TIME__OF__LAST__UPDATE, SELLER__CODE, SELLER__DUNS, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, INTERFACE__TYPE, OFFER__START__TIME, OFFER__STOP__TIME, START__TIME,STOP__TIME, CAPACITY, SERVICE__INCREMENT, TS__CLASS,TS__TYPE, TS__PERIOD, TS__SUBCLASS, SALE__REF, POSTING__REF, CEILING__PRICE, OFFER__PRICE, PRICE__UNITS, SERVICE__DESCRIPTION, SELLER__NAME, SELLER__PHONE, SELLER__FAX, SELLER__EMAIL, SELLER__COMMENTS↵
19960409030000PD, WXYZ, 987654321, W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD, 19960410080000PD,19960410090000PD,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A, N/A, A001, 1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD, 1960410080000PD, 19960410090000PD,300, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001.50, 1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT↵
19960409030000PD, WXYZ, 987654321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD, 19960410090000PD, 1996041010000PD,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35, MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT↵
19960409030000PD, WXYZ, 987654321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD, 19960410090000PD, 19960410100000PD,300, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35.MW, N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT↵
19960409030000PD, WXYZ. 987654321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD,19960410100000PD,19960410110000PD,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT↵
19960409030000PD, WXYZ, 987654321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD, 19960410100000PD, 19960410110000PD,300, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT↵
19960409030000PD, WXYZ, 987654321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD,19960410110000PD,19960410120000PD,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,10% DISCOUNT↵
19960409030000PD, WXYZ, 98765321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD, 19960410110000PD,19960410120000PD,300, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT↵
. . .
. . .
. . .
19960409030000PD, WXYZ, 987654321,W/AAA/ABC//,N/A,N/A,E, 19960402080000PD, 19960410080000PD, 19960410140000PD,19960410150000PD,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT↵
1996040903000PD, WXYZ, 987654321,W/AAA/ABC//,N/A,N/A,E, 1996040208000PD, 19960410080000PD, 1996041014000PD,19960410150000PD,300, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A,N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT↵

4.4.2 File Example for Hourly Schedule Data

This example shows a request for the hourly schedule data from Primary Provider, aaa, related to the seller, wxyz, for the period 10 a.m. to 3 p.m. on April 10, 1996.

There are two identical requests examples using two slightly different methods. The first request is using a HTTP URL request string through an HTML GET method. The second request is a similar example using fetch__http from a file using a POST method.

1. Query

URL Request (HTTP method=GET)

http://(OASIS Node name)/OASIS/aaa/data/schedule? ver=1.0& pprov=AAAA& templ=schedule& fmt=data &pprovduns=123456789 &path=W/AAA/ABC//& seller=WXYZ &por=BBB &pod=CCC&tz=PD& stime=19960410100000PD& sptime=19960410150000PD

URL Request (HTTP method=POST)

$ fetch__http http://(OASIS Node name)/OASIS/aaa/data/OASISdata -f c:/OASIS/wxyz/upload/in-file.txt
Where in-file.txt contains the following:
ver=1.0& pprov=AAAA& templ=schedule& fmt=data &pprovduns=123456789 &path=W/AAA/ABC//& seller=WXYZ &por=BBB &pod=CCC& tz=PD& stime=19960410100000PD& sptime=19960410150000PD

2. Response Data

REQUEST-STATUS=200↵
TIME__STAMP=1996041014702PD↵

VERSION=1.2↵
TEMPLATE=Schedule↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AAAA↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=5↵
COLUMN__HEADERS=TIME__OF__LAST__UPDATE, SELLER__CODE, SELLER__DUNS, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, CUSTOMER__CODE, CUSTOMER__DUNS, AFFILIATE__FLAG, START__TIME, STOP__TIME, CAPACITY, CAPACITY__SCHEDULED, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, ASSIGNMENT__REF↵
19960409030000pd. wxyz, 0987654321,W/AAA/ABC//, BBB,CCC, WXYZAA,0987654322,Y, 19960410100000PD, 19960410110000PD,300,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A 856743↵
. . .↵
. . .↵
19960409030000pd, wxyz, 0987654321,W/AAA/ABC//,BBB,CCC, WXYZAA, 0987654322,Y, 19960410130000PD,19960410140000PD,300,300, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A. 856743↵
19960409030000pd, wxyz, 0987654321,W/AAA/ABC//,BBB, CCC,WXYZAA, 0987654322,Y, 19960410140000PD, 19960410150000PD, 303,300.HOURLY,FIRM,POINT__TO__POINT,OFF__PEAK,N/A, 856743↵

4.4.3 Customer Posting a Transmission Service Offering

This example shows how a Customer would post for sale the transmission service that was purchased perviously. The Seller would create a file and upload the file using the FETCH__HTTP program to send a file to the OASIS node of the Primary Provider.

1. Input

VERSION=1.2↵
TEMPLATE=transpost↵
OUTPUT__FORMAT=DATE↵
PRIMARY__PROVIDER__CODE=AAAA↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=1↵
COLUMN__HEADERS=PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, INTERFACE__TYPE, CAPACITY, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, START__TIME, STOP__TIME, OFFER__START__TIME, OFFER__STOP__TIME, SALE__REF, OFFER__PRICE, SERVICE__DESCRIPTION, SELLER__COMMENTPF↵
WXYZ,987654321, W/AAA/ABC//, N/A,N/A,E,150, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A..19960402080000PD, 19960410080000PD, 19960410080000PD, 19960410150000PD, A123,.90.,N/A,‘‘‘As Joe said, ‘‘It is a good buy’’’’’↵

FETCH__HTTP Command to spend posting

$fetch__http http://(OSASIS Node name)/OASIS/abcd/data/transrequest -fc:/OASIS/abcd/upload/*post.txt*

2. Response Data

REQUEST-STATUS=200↵ (*Successful*)
TIME__STAMP=19960409113526PD↵
VERSION-1.2↵
TEMPLATE=Transport↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AAAA↵
PRIMARY__PROVIDER__DUNS=1234456789↵
DATA__ROWS=1↵
COLUMN__HEADERS=RECORD__STATUS, PATH__NAME, POINT__OF__RECEIPT, POINT__OR__DELIVERY, INTERFACE__TYPE, CAPACITY, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, START__TIME, STOP__TIME, OFFER__START__TIME, OFFER__STOP__TIME, SALE__REF, OFFER__PRICE, SERVICE__DESCRIPTION, SELLER__COMMENTS, ERROR__MESSAGE↵
200,WXYZ, 987654321, W/AAA/ABC//,N/A,NA,E,150, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A,19960402080000PD, 19960410080000PD, 19960410080000PD, 19960410150000PD, A123..90,N/A,‘‘As Joe said, ‘‘‘‘It is a good buy’’’’’, NO ERROR↵

4.4.4 Example of Re-aggregating Purchasing Services Using Reassignment

The following examples do not show the complete Template information, but only show those elements of the Template of interest to the example.

a. Customer #1, ‘‘BestE’’ requests the purchase of 150 MW Firm ATC for 8 a.m. to 5 p.m. for $1.00 from a Primary Provider (*transrequest*).

TEMPLATE=transrequest↵
CUSTOMER__CODE=BestE↵
CAPACITY=150↵
TS__CLASS=‘‘FIRM’’↵

START TIME=''1996050708000000PD''↵
STOP__TIME=''1996050717000000PD''↵
BID__PRICE=''$1.00''↵

The Information Provider assigns ASSIGNMENT__REF = 5000 on acknowledgment.

b. Customer #1 purchases 120 MW ATC Non-firm for 3 p.m. to 9 p.m. for $.90 (transrequest). The Information Provider assigns the ASSIGNMENT__REF=5001 when the request for purchase is made and is shown in the acknowledgment.

TEMPLATE=''transrequest''↵
CUSTOMER__CODE=''BestE''↵
CAPACITY=120↵
TS__CLASS=''NON-FIRM''↵
START__TIME=''1996050715000000PD''↵
STOP__TIME=''1996050721000000PD''↵
BID__PRICE=''$1.05''↵

c. Customer #1 becomes Seller #1 and post the Transmission service of 100 MW ATC Non-firm capacity from 8 a.m. to 9 p.m. for resale at $.90/MW-hour.

TEMPLATE=''transpost''↵
SELLER__CODE=''BestE''↵
CAPACITY=100↵
TS__CLASS=''NON-FIRM''↵
START__TIME=''1996050708000000PD''↵
STOP__TIME=''1996050721000000PD''↵
SALE__REF=''BEST100''↵
OFFER__PRICE=.90↵
SELLER__COMMENTS-''aggregating two previous purchases''↵

d. Customer #2 then requsts purchase of 100 MW Non-firm from Reseller #1 from 8 a.m. to 6 p.m. for $0.90/MW=hour (*transrequest*).

TEMPLATE=''transrequest''↵
CUSTOMER__CODE=''Whisle''↵
SELLER__CODE=''BestE''↵
CAPACITY__=100↵
TS__CLASS=''NON-FIRM''↵
START__TIME=''1996050708000000PD''↵
STOP__TIME=''1996050721000000PD''↵
SALE__REF=''BEST100''↵
DEAL__REF=''WPC100''↵
BID__PRICE=.90↵
CUSTOMER__COMMENTS=''Only need service until 6 p.m.''↵

The Information Provider provides the ASSIGNMENT__REF=5002 for this transaction.

e. Seller informs the Information Provider of the reassignment of the previous transmission rights when the seller accepts the customer purchase request (transsell).

TEMPLATE=''transsell''↵
CUSTOMER__CODE=''Whisle''↵
SELLER__CODE=''BestE''↵
ASSIGNMENT__REF=5002↵
STATUS=''Accepted''↵
REASSIGNED__REFI=5000↵
REASSIGNED__CAPACITY1=100↵
REASSIGNED__START__TIME1=''199605070800PD''↵
REASSIGNED__STOP__TIME1=''199605071700PD''↵
REASSIGNED__REF2=5001↵
REASSIGNED__CAPACITY2=100↵
REASSIGNED__START__TIME2=''199605071700PD''↵
REASSIGNED__STOP__TIME2=''199605071800PD''↵

4.4.5 File Examples of the Use of Continuation Records

a. Basic Continuation Records: The first example of the use of Continuation Records is for the transrequest Template submitted by a Seller for purchase of a transmission reservation spanning 16 hours from 06:00 to 22:00 with ''ramped'' demand at beginning and end of time period. Two additional reservations appear prior to and following the profile to demonstrate the handling of ASSIGNMENT__REF by the OASIS node.

Only the following fields may be redefined in a continuation record for the transrequest Template: CAPACITY, START__TIME, STOP__TIME. Specification of any values corresponding to COLUMN__HEADERs other than CAPACITY, START__TIME, and STOP__TIME will be ignored, however commas must be included to properly align the CAPACITY, START__TIME and STOP__TIME fields.

Input:

VERSION=1.2↵
TEMPLATE=transrequest↵

OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=7↵
COLUMN__HEADERS=CONTINUATION__FLAG, SELLER__CODE, SELLER__DUNS, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, SOURCE, SINK, CAPACITY, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, STATUS__NOTIFICATION, START__TIME, STOP__TIME, BID__PRICE, PRECONFIRMED, ANC__SVC__LINK, POSTING__REF, SALE__REF, REQUEST__REF, DEAL__REF, CUSTOMER__COMMENTS↵
N. AEP, 123456789, ABC/XY, CE, MECS...35, DAILY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A,,pub/AEP/incoming, 19970423000000ES, 19970424000000ES, 24.50, Y, SC:(cust:SP);RF(cust:RQ); EI:(cust:R123); SP:(custR234); SU:(cust:R345), P0123, S123, R765, D123, Standard daily reservation↵
N, AEP, 123456789, ABC/XY, CE, AMPO,,,5, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A, pub/AEP/incoming, 19970423060000ES, 19970423070000ES, 2.50, Y,SC:(cust:SP);RV:(cust:SP);RF(cust:RQ); EI:(cust:R123); SP:(custR234); SU:(cust:R345), P0123, S123, R765, D123, First piece of profile spanning 5 records↵
Y,,,,,,,, 10,,,,,,, 19970423070000ES, 19970423080000ES,,,,,,,,Second piece↵
Y,,,,,,,, 15,,,,,,, 19970423080000ES, 19970423200000ES,,,,,,,,Third piece↵
Y,,,,,,,, 10,,,,,,, 19970423200000ES, 19970423210000ES,,,,,,,,Fourth piece↵
Y,,,,,,,, 5,,,,,,, 19970423210000ES, 19970423220000ES,,,,,,,,Fifth piece↵
N, AEP, 123456789, ABC/XY, CE, MECS,,, 20, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A, pub/AEP/incoming, 19970423040000ES, 19970423220000ES, 2.00, Y,SC:(cust:SP);RV:(cust:SP);RF(cust:RQ); EI:(cust:R123); SP:(custR234); SU:(cust:R345), P0123, S123, R765, D123, Standard hourly reservation after profiled reservation↵

Response:

REQUEST__STATUS=200↵
TIME__STAMP=19970422160523ES↵
TEMPLATE=transrequest↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=7↵
COLUMN__HEADERS=RECORD__STATUS, CONTINUATION__FLAG, SELLER__CODE, SELLER__DUNS, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, SOURCE, SINK, CAPACITY, SERVICE__INCREMENT, TS__TYPE, TS__PERIOD, TS__SUBLCASS, STATUS__NOTIFICATION, START__TIME, STOP__TIME, BID__PRICE, PRECONFIRMED, ANC__SVC__LINK, POSTING__REF, SALE__REF, REQUEST__REF, DEAL__REF, CUSTOMER__COMMENTS, ERROR__MESSAGE↵
200, N, AEP, 123456789, ABC/XY, CE, MECS,,,35, DAILY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A, pub/AEP/incoming, 199702423000000ES, 19970424000000ES, 24.50, Y,SC:(cust:SP);RV:(cust:SP);RF(cust:RQ);EI:(cust:R123); SP:(custR234); SU:(cust:R345), PO123, S123, R765, D123, Standard daily reservation, No error↵
200, N, AEP, 123456789, ABC/XY, CE, AMPO,,,5, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A, pub/AEP/incoming, 199702423060000ES, 19970423070000ES, 2.50, Y,SC:(cust:SP); RV:(cust:SP);RF(cust:RQ);EI:(cust:R123); SP:(custR234); SU;(cust:R345), P0123, S123, R765, D123, First piece of profile spanning 5 records, No error↵
200, Y,,,,,,,, 10,,,,,,,19970423070000ES, 19970423080000ES,,,,,,,,Second piece, No error↵
200, Y,,,,,,,, 15,,,,,,,19970423080000ES, 199704232800000ES,,,,,,,,Third piece, No error↵
200, Y,,,,,,,, 10,,,,,,,19970423200000ES, 19970423210000ES,,,,,,,,Fourth piece, No error↵
200, Y,,,,,,,, 5,,,,,,,19970423210000ES, 19970423220000ES,,,,,,,,Fifth piece, No error↵
200, N, AEP, 123456789, ABC/XY, CE, MECS,,,20, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A, pub/AEP/incoming, 19970423040000ES, 19970423160000ES, 2.00, Y, SC:(cust:SP);RV:(cust:SP);RF(cust:RQ);EI:(cust:R123); SP:(custR234); SU:(cust:R345), P0123, S123, R765, D123, Standard hourly reservation after profiled reservation, No error↵

b. Submission of Reassignment Information—Case 1: In the prior example, a reservation request was submitted to ''Rseler'' for 20MW of Hourly Non-firm service from 04:00 to 16:00. Assume that Rseler has previously reserved service for the CE-VP path for Daily Firm in amount of 50 MW on 4/23 under ASSIGNMENT__REF=7019, and Hourly Non-Firm in amount of 10 MW from 08:00 to 20:00 on 4/23 under ASSIGNMENT__REF=7880. Rseler must designate which transmission service rights are to be reassigned to Cust to satisfy the 20MW from 04:00 to 16:00. This reassignment information is conveyed by Rseler using the transsell Template when the reservation request is ACCEPTED. At the SELLER's discretion, rights are assigned from the Non-firm reservation first (ASSIGNMENT__REF=7880) with the balance taken up by the Firm reservation (ASSIGNMENT__REF=7019).

The only fields allowed in ''continuation'' records for *transsell* Template are REASSIGNED__REF, REASSIGNED__CAPACITY, REASSIGNED__START__TIME, and REASSIGNED__STOP__TIME. Price may not be negotiated for each ''segment'' in a capacity profile.

Input:

VERSION=1.2↵
TEMPLATE=transsell↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=3↵
COLUMN__HEADERS=CONTINUATION__FLAG, ASSIGNMENT__REF, OFFER__PRICE, STATUS, STATUS__COMMENTS, ANC__SVC__LINK, SELLER__COMMENTS, REASSIGNED__REF REASSIGNED__CAPACITY, REASSIGNED__START__TI

SIGNED__STOP__TIME N. 8236, 2.00, ACCEPTED, Status comments here,SC:(cust:SP);RV;(cust:SP);RF(cust:RQ);EI:(cust:R123);SP:(custR234);SU:(cust:R345), Seller comments here, 7019, 20, 19970423040000ES, 19970423080000ES.↵
Y,,,,,,,7880, 10, 19970423080000ES, 19970423160000ES.↵
Y,,,,,,,7019, 10, 19970423080000ES, 19970423160000ES.↵

Response:

VERSION=1.2↵
TEMPLATE=transsell↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=3↵
COLUMN__HEADERS=RECORD__STATUS, CONTINUATION__FLAG, ASSIGNMENT__REF, OFFER__PRICE, STATUS, STATUS__COMMENTS, ANC__SVC__LINK, SELLER__COMMENTS, REASSIGNED__REF, REASSIGNED__CAPACITY, REASSIGNED__START__TIME, REASSIGNED__STOP__TIME, ERROR__MESSAGES 200, N. 8236, 2.00, ACCEPTED, Status comments here,SC:(cust:SP);RV:(cust:SP);RF(cust:RQ); EI:(cust:R123); SP:(cust:R234);SU:(cust:R345), Seller comments here, 7019, 20, 19970423040000ES, 19970423080000ES.↵
200 Y,,,,,,,7880, 10, 19970423080000ES, 19970423160000ES,↵
200 Y,,,,,,,7019, 10, 19970423080000ES, 19970423160000ES,↵

c. Submission of Reassignment Information—Case 2: Primary provider, AEP, is notified of a sale/assignment of transmission service right from ''Resell'' to ''cust''. The parameters of the new reservation are for 10MW on 4/23 for ''off-peak'' hours (00:00–06:00 and 22:00–24:00) on POR/POD CE–VP. Rseler is assigning rights to 10MW from a prior reservation for the CE–VP path for Daily Firm in amount of 50 MW on 4/23 under ASSIGNMENT__REF=7019 to Cust. AEP would submit the following information using the transassign Template to post this (re)sale. The only fields allowed in ''continuation'' records for the transassign Template are CAPACITY, START__TIME, STOP__TIME, REASSIGNED__REF, REASSIGNED__CAPACITY, REASSIGNED__START__TIME, and REASSIGNED__STOP__TIME.

Even though there is a one-to-one correspondence between the segments of the new reservations and the reassignment of service from a prior reservation, it is entirely possible that a reservation spanning a single contiguous period would require multiple continuation records to convey reassignment information, and vice versa.

Fields for CUSTOMER__NAME and SELLER__NAME were used to convey user names for subsequent resolution of contact information from user registration.

Input:

VERSION=1.2↵
TEMPLATE=transassign↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=2↵
COLUMN__HEADERS=CONTINUATION__FLAG, CUSTOMER__CODE, CUSTOMER__DUNS, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, SOURCE, SINK, CAPACITY, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, START__TIME, STOP__TIME, OFFER__PRICE, SALE__REF, POSTING__NAME, REASSIGNED__REF, REASSIGNED__CAPACITY, REASSIGNED__START__TIME, REASSIGNED__STOP__TIME, SELLER__COMMENTS↵
N, Resler, 456123789, Cust, 987654321, , CE, VP, , , 10, HOURLY, NON-FIRM, POINT__TO__POINT, OFF__PEAK, N/A, 19970423000000ES, 19970423060000ES, 2.00, Joe Smith, Jane Doe, N, 19970422121354ES, , 7019, 10, 19970423000000ES, 19970423060000ES, Seller comments go here↵
Y, , , , , , , , , , 10, , , , , , 19970423220000ES, 19970424000000ES, , , , , , , 7019, 10, 19970423220000ES, 19970424000000ES↵

Response:

REQUEST__STATUS=200↵
TIME__STAMP=19970422144520ES↵
VERSION=1.2↵
TEMPLATE=transassign↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=2↵
COLUMN__HEADERS=RECORD__STATUS, CONTINUATION__FLAG, ASSIGNMENT__REF, SELLER__CODE, SELLER__DUNS, CUSTOMER__CODE, CUSTOMER__DUNS, AFFILIATE__FLAG, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, SOURCE, SINK, CAPACITY, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, START__TIME, STOP__TIME, OFFER__PRICE, SELLER__NAME, CUSTOMER__NAME, TIME__QUEUED, SALE__REF, REASSIGNED__REF, REASSIGNED__CAPACITY, REASSIGNED__START__TIME, REASSIGNED__STOP__TIME, SELLER__COMMENTS, ERROR__MESSAGE↵
200, N, 8207, Rseler, 456123789, Cust, 987654321, N, , CE, VP, , , 10, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A 19970423000000ES, 19970423060000ES, 2.00, Joe Smith, Jane Doe, 19970422121354ES, , 7019, 10, 19970423000000ES, 19970423060000ES, Seller comments go here,↵

200, Y, , , , , , , , , , , , 10, , , , , , 19970423220000ES, 19970424000000ES,,,,,, 7019, 10, 19970423220000ES, 19970424000000ES,,↵

d. Query of Transmission Reservation Status: The following typical response to a transstatus query might be delivered for 4/23 based on prior examples. Note that the only fields returned in ''continuation'' records are, CAPACITY, START__TIME, STOP__TIME, REASSIGNED__REF, REASSIGNED__CAPACITY, REASSIGNED__START__TIME, and REASSIGNED__STOP__TIME (price fields are debatable).

Input:

<appropriate query name/value pairs to return reservations for 4/23>

Response:

REQUEST__STATUS=200↵
TIME__STAMP=19970423040523ES↵
TEMPLATE-transstatus↵
OUTPUT__FORMAT=DATA↵
PRIMARY__PROVIDER__CODE=AEP↵
PRIMARY__PROVIDER__DUNS=123456789↵
DATA__ROWS=11↵
COLUMN__HEADERS=CONTINUATION__FLAG, ASSIGNMENT__REF, SELLER__CODE, SELLER__DUNS, CUSTOMER__CODE, CUSTOMER__DUNS, AFFILIATE__FLAG, PATH__NAME, POINT__OF__RECEIPT, POINT__OF__DELIVERY, SOURCE, SINK, CAPACITY, SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, TS__SUBCLASS, START__TIME, STOP__TIME, CEILING__PRICE, OFFER__PRICE, BID__PRICE, PRECONFIRMED, ANC__SVC__LINK, ALTERNATE__SERVICE__FLAG, POSTING__REF, SALE__REF, REQUEST__REF, DEAL__REF, NEGOTIATED__PRICE__FLAG, STATUS, STATUS__COMMENTS, TIME__QUEUED, TIME__OF__LAST__UPDATE, PRIMARY__PROVIDER__COMMENTS, SELLER__COMMENTS, CUSTOMER__COMMENTS, SELLER__NAME, SELLER__PHONE, SELLER__FAX, SELLER__EMAIL, CUSOMTER__NAME, CUSTOMER__PHONE, CUSTOMER__FAX, CUSTOMER__EMAIL, REASSIGNED__REF, REASSIGNED,__CAPACITY, REASSIGNED__START__TIME, REASSIGNED__STOP__TIME5
N, 8207, Rseler, 456123789, A Cust, 987654321, N, CE, VP, , , 10, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A, 19970423000000ES, 19970423060000ES, 2.25, 2.00, 6.20, N,SC:(cust:SP); RV:(cust:SP); RF(cust:RQ); EI:(cust:R123); SP:(custR234); SU:(cust:R345), N, , , , , N, CONFIRMED, , 19970422121354ES,, TP Comments, Seller comments go here, Customer comments, Joe Smith, (888)–123–4567, (888)–123–1231, jsmith@xyz.com, Jane Doe, (999)–123–4567, (999)–123–8823, , 7019, 10, 19970423000000ES, 19970423060000ES↵
Y, , , , , , , , , , , , 10, , , , , , 19970423220000ES, 19970424000000ES, ,7019, 10, 19970423220000ES, 19970424000000ES↵
N, 8234, Rseler, 456123789, ACust, 987654321, N, , CE, MECS, , , 35 DAILY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A 19970423000000ES, 1997042360000ES, 42.00, 24,50, N,SC:(cust:SP); RV:(cust:SP); RES:(cust:RQ); EI:(cust:R123); SP:(custR234);SU:(cust:R345),N, , , , , N, CONFIRMED, , 19970422121354ES, , Standard daily reservation, System Operator, Customer comments, Frank Orth, (999)–123–4567, (999)–123–1231, jsmith@xyz.com, Jane Doe, (999)–123–4567, (999)–123–8823, 7019, 10, 19970423000000ES, 19970423060000ES↵
N, 8235, AEP, 123456789, Cust, 987654321, N, , CE, AMPO, , , 5, HOURLY, NON-FORM, POINT__TO__POINT; OFF__PEAK, N/A, 19970423060000ES, 19970423070000ES, 2.50, 2.50, 6.20, N, SC:(cust:SP); RV:(cust:SP); RF(cust:RQ); EI:(cust:R123); SP:(cust:R234); SU:(cust:R345),N, , , , , N, CONFIRMED, , 19970422160523ES, , Profile verified, First piece, Customer comments, System Operator, (888)–123–4567, (888)–123–1231, jsmith@xyz.com, Jane Doe, (999)–123–4567, (999)–123–8823,, 7019, 10, 19970423000000ES, 19970423060000ES↵
Y, , , , , , , , , , , , , 10, , , , , , ,19970423070000ES, 1997042380000ES, ,↵
Y, , , , , , , , , , , , ,15, , , , , , ,19970423080000ES, 19970423200000ES, ,↵
Y, , , , , , , , , , , , ,10, , , , , , ,19970423200000ES, 19970423210000ES, ,↵
Y, , , , , , , , , , , , ,5, , , , , , ,19970421000000ES, 19970423220000ES, ,↵
N. 8236, Rseler, 456123789, Cust, 987654321, N, , CE, VP, , , 20, HOURLY, FIRM, POINT__TO__POINT, OFF__PEAK, N/A 19970424040000ES, 19970424160000ES, 2.00, 2.50, 6.20, N, , , , , , CONFIRMED, , 19970422160523ES, , Bid price refused, Negotiated OFFER__PRICE accepted, Joe Smith, (888)–123–4567, (888)–123–1231, jsmithxyz.com, Jane Doe, (999)–123–4567, (999)–123–8823, 7019, 20, 19970423040000ES, 19970423080000ES↵
Y, 7880, 10, , , , , , 19970423080000ES, 19970423160000ES↵
Y, 7019, 10, , , , , , 19970423080000ES, 19970423160000ES↵

4.4.6 Example of Negotiation of Price

4.4.6.1 Negotiation with Preconfirmation

a. The Customer submits a PRECONFIRMED transmission service request using the transreqest Template. Initially, the STATUS is set to QUEUED by OASIS.

b. The Seller has the option of setting STATUS via the transsell Template to one of the following: RECEIVED, STUDY, ACCEPTED, or REFUSED. Since the request is PRECONFIRMED, the Seller is blocked from altering OFFER__PRICE by OASIS, and blocked from setting status of OFFER.

c. If the Seller sets STATUS to ACCEPTED, OASIS will immediately set STATUS to CONFIRMED and sets the OFFER__PRICE to the BID__PRICE.

d. The Customer may WITHDRAW request via transcust Template at any time up to point where the Seller sets STATUS to ACCEPTED.

e. Once the STATUS is CONFIRMED, the OFFER__PRICE officially becomes the terms of the reservation.

4.4.6.2 Negotiations without Preconfirmation

e. The Customer submits a transmission reservation request with the BID__PRICE less than the CEILING__PRICE via the transrequest Template. Initially the STATUS is set to QUEUED by OASIS.

b. The Seller has the option of setting the STATUS VIA the transsell Template to one of the following: RECEIVED, STUDY, ACCEPTED, OFFER, or REFUSED.

c. The Seller determines that the BID__PRICE is too low, sets the OFFER__PRICE to the price he wants, and sets the STATUS to OFFER via the transsell Template.

d. The Customer agrees to the OFFER__PRICE, sets the BID__PRICE equal to the OFFER__PRICE, and sets the STATUS to CONFIRMED via the transcust Template.

The OFFER__PRICE with the STATUST of CONFIRMED locks in the terms of the reservation.

4.4.6.3 Multiple Step Negotiations

a. The Customer submits a transmission reservation request with the BID__PRICE less than the CEILING__PRICE via the transrequest Template. Initially the STATUS is set to QUEUED by OASIS.

b. The Seller has the option of setting STATUS via the transsell Template to one of the following: RECEIVED, STUDY, ACCEPTED, OFFER, or REFUSED.

c. The Seller determines that the BID__PRICE is too low, sets the OFFER__PRICE to the desired value, and sets the STATUS to OFFER via the transsell Template.

d. The Customer responds to the new OFFER__PRICE with an updated BID__PRICE and sets the STATUS to REBID for re-evaluation by the Seller.

e. The Seller determines that the BID__PRICE now is acceptable and sets the STATUS to ACCEPTED via the transsell Template. The transition to ACCEPTED state requires the OFFER__PRICE to be set to the BID__PRICE: accepting a reservation with an OFFER__PRICE different from BID__PRICE would require the STATUS be set to OFFER rather than ACCEPTED (see item c).

f. The Customer agrees to the OFFER__PRICE and sets the STATUS to CONFIRM via the transcust Template.

g. The OFFER__PRICE with the STATUS as CONFIRMED locks in the terms of the reservation.

4.4.6.4 Negotiations Refused by Seller

a. The Customer submits a transmission reservation request with the BID__PRICE less than the CEILING__PRICE via the transrequest Template. Initially the STATUS is set to QUEUED by OASIS.

b. The Seller has the option of setting the STATUS via the transsell Template to one of the following: RECEIVED, STUDY, ACCEPTED, OFFER, or REFUSED.

c. The Seller determines that the BID__PRICE is too low, sets OFFER__PRICE to his desired value, and sets STATUS to OFFER via the transsell Template.

d. The Customer responds to OFFER__PRICE with updated BID__PRICE and sets the STATUS to REBID via the transcust Template for re-evaluation by Seller.

e. The Seller breaks off all further negotiations by setting the STATUS or REFUSED.

4.4.6.5 Negotiations Withdrawn by Customer

a. The Customer submits a transmission reservation request with the BID__PRICE less than the CEILING__PRICE via the transrequest. Initially the STATUS is set to QUEUED by OASIS.

b. The Seller has the option of setting STATUS via the transsell Template to one of the following: RECEIVED, STUDY, ACCEPTED, OFFER, or REFUSED.

c. The Seller determines that the BID__PRICE is too low, sets the OFFER__PRICE to his desired value, and sets the STATUS to OFFER via the transsell Template.

d. The Customer responds to the OFFER__PRICE with an updated BID__PRICE and sets the STATUS to REBID for re-evaluation by Seller.

e. The Seller determines that the BID__PRICE is still too low, sets the OFFER__PRICE to another value, and sets STATUS to OFFER via the transsell Template.

f. The Customer breaks off all further negotiations by setting STATUS to WITHDRAWN (or the customer/seller could go through additional iterations of REBID/OFFER until negotiations are broken off or the reservation is CONFIRMED).

4.5 Information Supported by WEB Page

There shall be a Web page on each OASIS node with information on requesting the text file of the tariffs and service agreements.

5. Performance Requirements

A critical aspect of any system is its performance. Performance encompasses many issues, such as security, sizing, response to user requests, availability, backup, and other parameters that are critical for the system to function as desired. The following sections cover the performance requirements for the OASIS.

5.1 Security

Breaches of security include many inadvertent or possibly even planned actions. Therefore, several requirements shall be implemented by the TSIPs to avoid these problems:

a. Provider Update of TS Information: Only Providers, including Secondary Providers, shall be permitted to update their own TS Information.

b. Customer Input Only ASCII Text: TSIPs shall be permitted to require that inputs from Customers shall be filtered to permit only strict ASCII text (strip bit 8 from each byte).

c. Provider Updating Over Public Facilities: If public facilities are involved in the connection between a Provider and the OASIS Node, the Provider shall be able to update this TS Information only through the use of ASCII or through encrypted files.

d. User Registration and Login: All Users shall be required to register and login to a Provider's Account before accessing that Provider's TS Information.

e. User Passwords: All Users shall enter their personal password when they wish access to TS Information beyond the lowest Access Privilege.

f. Service Request Transactions: Whenever Service Request transactions are implemented entirely over the OASIS, both an individual Customer password for the request, and an individual Provider password for the notification of acceptance shall be required.

g. Data Encryption: Sophisticated data encryption techniques and the ''secure id'' mechanisms being used on the public Internet shall be used to transfer sensitive data across the Internet and directly between OASIS Nodes.

h. Viruses: Since only data is being transmitted between the OASIS Nodes and the Users, viruses are unlikely to be passed between them. Therefore, TSIPs shall be responsible for ensuring that the OASIS Nodes are free from viruses, but need not screen data exchanges with Users for viruses.

i. Performance Log: TSIPs shall keep a log on User usage of OASIS resources.

j. Disconnection: TSIPs shall be allowed to disconnect any User who is degrading the performance of the OASIS Node through the excessive use of resources, beyond what is permitted in their Service Level Agreement.

k. Premature Access: The TSIP log shall also be used to ensure that Users who are affiliated with the Provider's company (or any other User) do not have access to TS information before it is publicly available.

l. Firewalls: TSIPs shall employ security measures such as firewalls to minimize the possibility that unauthorized users shall access or modify TS Information or reach the Provider or User systems. Interfaces through Public Data Networks or the Internet shall be permitted as long as these security requirements are met.

m. Certificates and Public Key Standards (optional): Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

5.2 Access Privileges

Users shall be assigned different Access Privileges based on external agreements between the User and the Provider. These Access Privileges are assocated with individual Users rather than just a company, to ensure that only authorized Users within a company have the appropriate access.

The following Access Privileges shall be available as a minimum:

a. Access Privilege Read-Only: The User may only read publicy availabe TS Information.

b. Access Privilege for Transaction: The Customer is authorized to transact Service Requests.

c. Access Privilege Read/Write: A Secondary Provider shall have write access to his own Provider Account on an OASIS Node.

5.3 OASIS Response Time Requirements

TSIPs can only be responsible for the response capabilities of two portions of the Internet-based OASIS net work:

- The response capabilities of the OASIS Node server to process interactions with Users
- The bandwidth of the connection(s) between the OASIS Node server and the Internet.

Therefore, the OASIS response time requirements are as follows:

a. OASIS Node Server Response Time: The OASIS Node server shall be capable of supporting its connection(s) to Users with an average aggregate data rate of at least ''A'' bits per second. ''A'' is defined as follows:

A = N * R bits/sec
where
N = 5% of registered Customers.
and
R = 28,800 bits/sec per Customer.

b. OASIS Node Network Connection Bandwidth: The bandwidth ''B'' of the OASIS Node conection(s) to the Internet shall be at least:

B = 2 * A bits/sec

C. Time to Meet Response Requirements: The minimum time response shall be met within 1 month of User registration for any single new User. If more than 10 new Users register in one month, 2 months lead time shall be permitted to expand/upgrade the OASIS Node to meet the response requirements.

5.4 OASIS Provider Account Availability

The following are the OASIS Provider Account availability requirements:

a. OASIS Provider Account Availability: The availability of each OASIS Provider account on an OASIS Node shall be at least 98.0% (downtime of about 7 days per year).

Availability is defined as:

$$\%\ \text{Availability} = \frac{(1 - \text{Cumulative Provider Account Downtime})}{\text{Total Time}} * 100$$

A Provider account shall be considered to be down, and downtime shall be accumlated, upon occurrence of any of the following:

1. One or more Users cannot link and log on to the Provider account. The downtime accumulated shall be calculated as:

3 **Σ** for affected Users of 1/n * (Login Time), which is the time used by each affected User to try to link and log on to the Provide account, and where ''n'' is the total number of Users actively registered for the Provider account.

2. One or more Users cannot access TS Information once they have logged on to a Provider account. The downtime accumulated shall be calculated as:

3 **Σ** for affected Users of 1/n * (Access Time), which is the time used by each affected User to try to access data, and where ''n'' is the total number of Users actively registered for that Provider.

3. A five (5) minute penalty shall be added to the cumulative downtime for every time a User loses their connection to a Provider's account due to an OASIS Node momentary failure or problem.

5.5 Backup and Recovery

The following backup and recovery requirements shall be met:

a. Normal Backup of TS Information: Backup of TS Information and equipment shall be provided within the OASIS Nodes so that no data or transaction logs are lost or become inaccessible by Users due to any single point of failure. Backed up data shall be no older than 30 seconds. Single points of failure include the loss of one:

- Disk drive or other storage device
- Processor
- Inter-processor communications (e.g., LAN)
- Inter-OASIS communications
- Software application
- Database
- Communication ports for access by Users
- Any other single item which affects the access of TS Information by Users

b. Spurious Failure Recovery Time: After a spurious failure situation, all affected Users shall regain access to all TS Information within 30 minutes. A spurious failure is a temporary loss of services which can be overcome by rebooting a system or restarting a program. Permanent loss of any physical component is considered a catastrophic failure.

c. Long-Term Backup: Permanent loss of critical data due to a catastrophic failure shall be minimized through off-line storage on a daily basis and through off-site data storage on a periodic basis.

d. Catastrophic Failure Recovery: Recovery from a catastrophic failure or loss of an OASIS Node may be provided through the use of alternate OASIS Nodes which meet the same availability and response time requirements. TSIPs may set up prior agreements with other TSIPs as to which Nodes will act as backups to which other Nodes, and what procedure will be used to undertake the recovery. Recovery from a catastrophic failure shall be designed to be achieved within 24 hours.

5.6 Time Synchronization

The following are the time requirements:

a. Time Synchronization: Time shall be synchronized on OASIS Nodes such that all time stamps will be accurate to within ''0.5 second of official time. This synchronization may be handled over the network using NTP, or may be synchronized locally using time standard signals (e.g. WWVB, GPS equipment).

b. Network Time Protocol (NTP): OASIS Nodes shall support the Internet tool for time synchronization, Network Time Protocol (NTP), which is described in RFC–1350, version 3, so that Users shall be able to request the display and the downloading of current time on an OASIS Node for purposes of user applications which might be sensitive to OASIS time.

5.7 TS Information Timing Requirements

The TS Information timing requirements are as follows, except they are waived during emergencies:

a. TS Information Availability: The most recent Provider TS information shall be available on the OASIS Node within 5 minutes of its required posting time at least 98% of the time. The remaining 2% of the time the TS Information shall be available within 10 minutes of its scheduled posting time.

b. Notification of Posted or Changed TS Information: Notification of TS Information posted or changed by a Provider shall be made available within 60 seconds of the log.

c. Acknowledgment by the TSIP: Acknowledgment by the TSIP of the receipt of User Purchase requests shall occur within 1 minute. The actual negotiations and agreements on Purchase requests do not have time constraints.

5.8 TS Information Accuracy

The following requirements relate to the accuracy of the TS information:

a. TS Information Reasonability: TS information posted and updated by the Provider shall be validated for reasonability and consistency through the use of limit checks and other validation methods.

b. TS Information Accuracy: Although precise measures of accuracy are difficult to establish, Providers shall use their best efforts to provide accurate information.

5.9 Performance Auditing

The following are the performance auditing requirements:

a. User Help Desk Support: TSIPs shall provide a ''Help Desk'' that is available at least during normal business hours (local time zone) and normal work days.

b. Monitoring Performance Parameters: TSIPs shall use their best efforts to monitor performance parameters. Any User shall be able to read or down load these performance statistics.

5.10 Migration Requirements

Whenever a new version of the S&CP is to be implemented, a migration plan will be developed for cutting over to the new version.

Appendix A—Data Element Dictionary

Version 1.2

May 27, 1998

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
AFFILIATE__FLAG	AFFLAG	1(ALPHANUMERIC)3	Valid Values YES NO	Set to YES if customer is an affiliate of the provider.
ANC__SERVICE__TYPE	ANCTYPE	1(ALPHANUMERIC)20	Valid types • EL • SP • SU • RV • RF • SC • (Registered).	EI—Energy Imbalance. EP—Spinning Reserve. SU—Supplemental Reserve. RV—Reactive supply and Voltage Control. RF—Regulation and Frequency response. SC—Scheduling, system Control and Dispatch. (Registered) must be registered with www.tsin.com and listed in the ANCSERV template.
ANC__SVC__LINK	ANCSVCLINK.	1(ALPHANUMERIC)300	Formatted string as follows. SC:(AA); RV: (AA); RF: (AA[:xxx[:yyy[:nnn]]]); EL: (AA[:xxx[:yyy[:nnn]]]); SP: (AA[:xxx[:yyy[:nnn]]]); SU (AA[:xxx[:yyy[:nnn]]]); (Registered): (AA[:xxx[:yyy[:nnn]]]);	The method for linking ancillary services to a transmission service request. The provider and capacity of each ancillary service is identified using the formated string: SC:(AA); RV:(AA); RF:AA[:xxx[:yyy[:nnn]]]); EI: (AA[:xxx[:yyy[:nnn]]]); SP:(AA[:xxx[:yyy[:nnn]]]):SU: (AA|:xxx|:yyy| nn|||): [Registered):(AA[:xxx[:yyy[:nnn]]]) where AA is the appropriate PRIMARY__PROVIDER__CODE, SELLER__CODE; or CUSTOMER__CODE, and represents the company providing the ancillary services. ''AA'' may be unspecified for ''xxx'' type identical to ''FI'', in which case the '':'' character must be present and precede the ''FT'' type. If multiple ''AA'' terms are necessary, then each ''AA'' grouping will be enclosed within parenthesis, with the overall group subordinate to the ANC__SVC__TYPE: specified within parenthesis. and where xxx represents either: —''FT'' to indicate that the Customer will determine ancillary services at a future time, or —''SP'' to indicate that the Customer will self-provide the ancillary services, or

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
				—''RQ'' to indicate that the Customer is asking the OASIS to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for preconfirmed service, then the ancillary services shall also be preconfirmed, or —''AR'' to indicate an assignment reference number sequence follows. The terms ''yyy'' and ''nnn'' are subordinate to the xxx type of ''AR'' yyy represents the ancillary services reservation number (ASSIGNMENT__REF) and nnn represents the capacity of the reserved ancillary services. Square brackets are used to indicated optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the ''AR'' term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis. If no capacity amount is indicated, the required capacity is assumed to.
ANC__SVC__REQ	ANCSVCREQ.	1(ALPHANUMERIC)100	EI: (M.R.O.U); SP; (M.R.O.U);. SU: (M.R.O.U); RV: (M.R.O.U): RF: (M.R.O.U); SC: (M.R.O.U): (registered): (M.R.O.U)	Ancillary services required for a transmission services offering. The appropriate letter (M.R.O.U) will be assigned to each of the six Proforma FERC ancillary services (see ANC__SERVICE__TYPE), where the letters mean the following: (M) Mandatory, which implies that the Primary Provider must provide the ancillary service (R) Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider (O) Optional, which implies that the ancillary service is not necessarily required, but could be provided. (U) Unknown, which implies that the requirements for the ancillary service are not known at this time.
ALTERNATE__SERVICE__FLAG.	ALTSVCFLG	2(ALPHANUMERIC)3	Defaulted to ''YES''	Used as a flag to identify this reservation as a NON-FIRM use of FIRM transmission services on an alternate point of delivery.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
ASSIGNMENT__REF	AREF	1(ALPHANUMERIC)12	Unique value	A unique reference number assigned by a Transmission Information Provider to provide a unique record for each transmission or ancillary service request. A single transmission or ancillary service request will be over a contiguous time period, i.e. from a START__TIME to an STOP__TIME.
BID__PRICE	BIDPR	1(NUMERIC)5 +''.'' +2(NUMERIC)12	Positive number with 2 decimals.	The current bid price of a Service in dollars and cents. Used by Customers to designate a price being bid.
CAPACITY	CAP	1(NUMERIC)12	Non-negative number in units of MW.	Transfer capability is the measure of the ability of the interconnected electric system to readily move or transfer power from one area to another over all transmission lines (or paths) between those areas under specified system conditions. In this context ''area'' may be an individual electric system, powerpool, control area, subregion, or NERC region or portion thereof.
CAPACITY__CURTAILED	CAPCUR	1(NUMERIC)12	Non-negative number in units of MW.	The amount of transfer capability curtailed by the Primary provider for emergency reasons.
CAPACITY__SCHEDULED	CAPSCH	1(NUMERIC)12	Non-negative number in units of MW.	Transfer capability scheduled on each path.
CATEGORY	CAT	1(ALPHANUMERIC)25	Valid name from CATEGORY in LIST Template.	A name to be used to categorize messages. Valid names would include: *Discount, Want-Ad, Curtailment, Outage, Oasis Maint Notice.*
CELING__PRICE	CEILPR	1(NUMERIC)5 + ''.'' + 2(NUMERIC)2.	Positive number with 2 decimals..	Ceiling price of the Service as entered by the Transmission Provider.
COLUMN__HEADERS	HEADERS	1(ALPHANUMERIC) Limited to all the elements nameS in one Template.	Headers surrounded with A and separated by commas. Limited to valid Template element names. Must use full element name and not alias.	Example: COLUMN__HEADER= APATH__NAME'', POINT__OF__RECEIPT'', POINT__ OF__DELIVERY'', ''SOURCE'', ''SINK''.
CONTINUATION__FLAG	CONT	1(ALPHANUMERIC)1	''Y'' OR ''N''	Indicates whether or not this record is a continuation from the previous record.
CONTROL__AREA	AREA	1(ALPHANUMERIC)20	Valid name of a control area	A part of the power system with metered tie lines and capable of matching generation and load while meeting scheduled interchange. Location of Ancillary services is my CONROL__AREA.
CURTAILMENT__OPTIONS	CUROPT	1(ALPHANUMERIC)80	Free form text	Customer options, if any, to avoid curtailment.
CURTAILMENT__PROCEDURES.	CURPROC	(ALPHANUMERIC)80	Free form text	Curtailment procedures to be followed in the event of a curtailment.
CURTAILMENT__REASON	CURREAS	(ALPHANUMERIC)80	Free form text	Reason for curtailment of service.
CUSTOMER__CODE	CUST	1(ALPHANUMERIC)6	Unique value, registered on TSIN.COM.	Any entity (or its designated agent) that is eligible to view OASIS information, to execute a service agreement, and/or to receive transmission service.
CUSTOMER__COMMENTS	CUSTCOM	1(ALPHANUMERIC)80	Free-form text	Informative text.
CUSTOMER__DUNS	CUSTDUNS	9(NUMERIC)9	Unique DUNS number	Unique DUNS number for a Customer.
CUSTOMER__EMAIL	CUSTEMAIL	1(ALPHANUMERIC)25	Valid Internet E-Mail address	Internet E-Mail address of Customer contract person.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
CUSTOMER__FAX	CUSTEFAX	14(ALPHANUMERIC)20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn.	Fax phone number of Customer contract person.
CUSTOMER__NAME	CUSTNAME	(ALPHANUMERIC)25	Free form text	Name of Customer contract person.
CUSTOMER__PHONE	CUSTPHON	14(ALPHANUMERIC)20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn.	Telephone of Customer contact person.
DATA__ROWS	ROWS	1(NUMERIC) unlimited	Positive Number	Number of records (rows) of data exclusive of header information that are to be uploaded or downloaded in a file.
DATE__TIME__EFFECTIVE	TIMEEFCT	16(ALPHANUMERIC)16	Valid date and time in seconds yyyy+mo+dd+hh +mm+ss+tz.	Date and time a message or service offer is in effect.
DATE__TIME__POSTED	TIMEPSTD	16(ALPHANUMERIC)16	Valid date and time in seconds yyyy+mo+dd+hh +mm+ss+tz.	Date and time to seconds a message or service offered was posted.
DEAL__REF	DREF	1(ALPHANUMERIC)12	Unique value, Assigned by Customer.	The unique reference assigned by a Customer to two or more service purchases to identify each of them as related to others in the same power service deal. These requests may be related to each other in time sequence through a single Provider, or as a series of wheels through multiple Providers, or a combination of both time and wheels. The User uses the DEAL__REF to uniquely identify a combination of requests relating to a particular deal.
DISCRETION__DESCRIPTION	DISCDESC	0(ALPHANUMERIC)1000	Free form text	A detailed description of the discretion being reported.
ELEMENT__NAME	ELEMENT	1(ALPHANUMERIC)40	Valid Template element name.	Template element name as indicated in data dictionary.
EMPLOYEE__NAME	EMPNAME	1(ALPHANUMERIC)25	Free form text	Name of person who is transferring from one position to another.
ERROR__MESSAGE	ERROR	1(ALPHANUMERIC)250	Free form text	Error message related to a RECORD__STATUS or REQUEST__STATUS.
FORMER__COMPANY	FORMCO	1(ALPHANUMERIC)25	Free form text	Former company of the person who is transferring.
FORMER__DEPARTMENT	FORMDEPT	1(ALPHANUMERIC)25	Free form text	Former department of the person who is transferring.
FORMER__POSITION	FORMPOS	1(ALPHANUMERIC)25	Free form text	Former position held by the person who is transferring.
INTERFACE__TYPE	INTERFACE	1(ALPHANUMERIC)1	I,E	Type of interface define by path: Internal (I) to a control area or External (E) to a control area.
LIST__ITEM	ITEM	1(ALPHANUMERIC)50	Free form text	Item from list, such as list of SELLERs, list of PATHs, list of PORs, list of PODs, Lists of SERVICE__INCREMENT, TS__CLASS, TS__TYPE, TS__PERIOD, NERC__ CURTAILMENT__PRIORITY, OTHER__CURTAILMENT__ PRIORITY, SERVICE__INCREMENT, CATEGORY List of TEMPLATEs.
LIST__ITEM__ DESCRIPTION	ITEMDESC	0(ALPHANUMERIC)100	Free form text	A detailed description of the LIST__ITEM.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
LIST__NAME	LIST	1(alphanumeric)25	LIST, SELLER, PATH, POR, POD, SERV-ICE__INCREMENT, TS__CLASS, TS__TYPE, TS__ PERIOD, TS__SUBCLASS, ANCIL-LARY__ SERVICE__ TYPE, CATEGORY, TEM-PLATE.	List of valid names for each of the types of lists. The minimum set of lists defined must be im-plemented.
MESSAGE	MSG	1(ALPHANUMERIC)200	Free form text	An informative text message.
NEGOTIATED__PRICE__FLAG	NGPRIFLG	1(ALPHANUMERIC)1	H, L, or blank	Set to H if OFFER__PRICE is higher than the currently post-ed price; set to L if OFFER__PRICE is lower than the currently posted price.
NERC__CURTAINMENT__ PRIORITY.	NERCURT	1(NUMERIC)1	Integer 1–7	One of the NERC seven curtail-ment priorities, documented in LIST templat.
NEW__COMPANY	NEWCO	1(ALPHANUMERIC)25	Free form text	New company of the person who is transferring.
NEW__DATA	NEWDATA	1(ALPHANUMERIC)200	Any valid date element value	For audit log, the new updated value of a Template data ele-ment after update.
NEW__DEPARTMENT	NEWDEPT	1(ALPHANUMERIC)25	Free form text	New department of the person who is transferring.
NEW__POSITION	NEWPOS	1(ALPHANUMERIC)25	Free form text	New position held by the person who is transferring.
OFFER__PRICE	OFFPR	1(NUMERIC)5 + "." + 2(NUMERIC)2.	Positive number with 2 deci-mals.	The current offered price of a Service in dollars and cents. Used by the Seller to indicate the offering price.
OFFER__START__TIME	OFFSTIME	16(ALPHANUMERIC)16	Valid Date and Time to sec-onds:. yyyy+mo+dd+hh+mmm+ ss+tz.	Start time of the window during which a Customer may request a discounted offer.
OFFER__ STOP__TIME	OFFSPTIME	16(ALPHANUMERIC)16	Valid Date and Time to sec-onds: yyyy+mo+dd+hh +mm+ss+tz.	Stop time of the window during which a Customer may request a discounted offer. (Expiration time of an offer).
OLD__DATA	OLDDATA	1(ALPHANUMERIC)200	Any valid data element value	For audit log, the old value of a Template data element prior to being updated. This element is not applicable in the audit log for transaction events.
OPTIONAL__CODE	N/A	0(ALPHANUMERIC)25	Unique path name within re-gion.	OPTIONAL__CODE—25 chars, unique for Path. If used for directionality, then the first 12 characters shall represent POR, followed by >->, followed by 12 characters which shall represent POD. Used by PATH__NAME.
OTHER__CURTAILMENT __PRIORITY.	OTHCUR	0(ALPHANUMERIC)8	Free form tect	Other than NERC curtailment pri-orities, such as regional curtail-ment priorities. Suggested for-mat region+number, for exam-ple MAPP4, WSCC7. Docu-mented in LIST template.
OUTPUT__FORMAT	FMT	4(ALPHANUMERIC)4	HTML, DATA	Format of response: HTML = hypertext markup lan-guage for presentation using a web browser. DATA = text for use in a downloaded file.
PATH__CODE	N/A	0(ALPHANUMERIC)12	Unique code for each path as defined by primary pro-vider.	Unique code within a Region for each path. Used by PATH__NAME.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
PATH__NAME	PATH	5(ALPHANUMERIC)50	Unique value	The unique name assigned to a single transmission line or the set of one or more parallel transmission lines whose power transfer capabilities are strongly interrelated and must be determined in aggregate. These lines are typically described as being on a path, corridor or interconnection in some regions, or as crossing an interface or cut-plane in other regions. Multiple lines may be owned by different parties and require prorating of capability shares. The name is constructed from the following codes, with each code separated by a ''/''. Trailing ''/'' may be omitted, if there are no values for OPTION__CODE and SPARE__CODE:. REGION__CODE—2 chars, unique to OASIS System PRIMARY__PROVIDER__CODE—4 chars, unique within Region. PATH__CODE—12 chars, unique for Primary Provider. OPTIONAL__CODE—25 chars, unique for Path. If used for directionality, then the first 12 characters shall represent POR, followed by >->, followed by 12 characters which shall represent POD SPARE__CODE—3 chars.
POINT__ OF__DELIVERY	POD	1(ALPHANUMERIC)12	Unique value within Primary Provider.	Point of Delivery is one or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted by the Transmission Provider will be made available to the Receiving Party. This is used along with Point of Receipt to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, this may be an area-to-area interface.
POINT__OF __RECEIPT	POR	1(ALPHANUMERIC)12	Unique value within Primary Provider.	Point of Receipt is one or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted will be made available to the Transmission Provider by the Delivering Party. This is used along with Point of Delivery to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, this may be an area-to-area interface.
POSTING__NAME	POSTNAME	1(ALPHANUMERIC)25	Free form text	Name of person who is posting the information on the OASIS.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
POSTING__REF	POSTREF	1(ALPHANUMERIC)12	Unique Value	Assigned by TSIP when Service or Message is received by TSIP. Unique number can be used by the user to modify or delete the posting.
PRECONFIRMED	PRECONF	2(ALPHA)3	YES or NO	Used by Customer to preconfirm sale in Template transrequest or ancrequest. If customer indicates sale is preconfirmed, then the response is YES and the customer does not need to confirm the sale.
PRICE__UNITS	UNITS	1(ALPHA)20	Free form text	The units used for CEILING__PRICE, OFFER__PRICE, and BID__PRICE. Examples: $/MWhr, $/MWmonth
PRIMARY__ PROVIDER__COMMENTS.	PPROVCOM	1(ALPHANUMERIC)80	Free form text	Informative text. Usually entered by the Primary Provider through a back end system.
PRIMARY__ PROVIDER__CODE.	PROVIDER	1(ALPHANUMERIC)4	Unique code	Unique code for each Primary Provider. used by PATH__NAME and in URL. Registered as part of URL at www.tsin.com.
PRIMARY__ PROVIDER__DUNS.	PPROVDUNS.	9(NUMERIC)9	Valid DUNS number	Unique code for each Primary. Provided by Dun and Bradstreet.
REASSIGNED__ CAPACITY	RASCAP	1(NUMERIC)12	Positive number, cannot exceed previous assigned capacity.	The amount of transfer capability that was reassigned from one entity to another.
REASSIGNED__ REF	REREF	1(ALPHANUMERIC)12	Unique value	When customer makes a purchase of a transmission service that was posted for resale and a new ASSIGNMENT__REF number is issued the previous ASSIGNMENT__REF number now becomes the REASSIGNMENT__REF. Also used by SELLER when posting transmission or ancillary services for resale to show the previous assignment reference number. Also used by the customer when making a request to use FIRM service as NON-FIRM over alternate points of delivery.
REASSIGNED__START__TIME	RESSTIME	16(ALPHANUMERIC)16	Valid date and time to seconds: yyyy+mo+dd+hh+tz	Beginning date and time of the reassigned transmission service.
REASSIGNED__STOP__TIME	RESSPIME	16(ALPHANUMERIC)16	Valid date and time to hour: yyyy+mo+dd+hh+tz	Date and time of the end of the transmission service that is reassigned to another User.
RECORD__STATUS	RECSTATUS.	1(NUMERIC)3	Error number	Record status indicating record was successful or error code if unsuccessful. 200=Successful

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
REGION__CODE	N/A	1(ALPHANUMERIC)2	Unique within OASIS System.	Defined for NERC regions, with the following defined: E—ECAR. I—MAIN. S—SERC. T—ERCOT. A—MAPP. P—SPP. M—MAAC. N—NPCC. W—WSCC. Second character or digit reserved for subregion id as defined by each region.
REQUEST__REF	RREF	1(ALPHANUMERIC)12	Unique value	A reference uniquely assigned by a Customer to a request for service from a Provider.
REQUEST__STATUS	RSTATUS	1(NUMERIC)3	Error number	Message status indicating message was successful (if all RECORD__STATUS show success) or error code if any RECORD__STATUS showed unsuccessful. 200=Successful.
RESPONSE__TIME__LIMIT	RESPTL	16(ALPHANUMERIC)16	Valid date and time to seconds: yyyy+mo+dd+hh+mm+ss+tz	Date and time to seconds by when a response must be received from a Customer.
RESPONSIBLE__PARTY__NAME.	PARTNAME	1(ALPHANUMERIC)25	Free form text	The name of the person responsible for granting the discretion.
RETURN__TZ	TZ	2(ALPHANUMERIC)2	AD, AS, PD, PS, ED, ES, MD, MS, CD, CS, UT.	A time zone code, indicating the base time zone, and whether daylight saving time is to be used. This field may be set by a Customer in a query. Returned date and time data is converted to this time zone.
SALE__REF	SREF	1(ALPHANUMERIC)12	Unique value	Identifier which is set by seller (including Primary Provider) when posting a service for sale.
SELLER__CODE	SELLER	1(ALPHANUMERIC)6	Unique value	Organization name of Primary Provider or Reseller.
SELLER__COMMENTS	SELCOM	1(ALPHANUMERIC)80	Free form text	Informative text provided by the Seller.
SELLER__DUNS	SELDUNS	9(NUMERIC)9	Valid DUNS number	Unique Data Universal Numbering System provided by Dun and Bradstreet. Code for a Primary Provider or Seller.
SELLER__EMAIL	SELEMAIL	5(ALPHANUMERIC)60	Valid network reference	E-Mail address of Seller contact person.
SERVICE__INCREMENT	SRVINCR	1(ALPHANUMERIC)8	Valid increments • HOURLY • Daily • Weekly • Monthly • Yearly • {Registered}	The transmission service increments provided. Five are predefined, while additional increments can be used if they are registered on TSIN.COM and shown in the Provider's LIST template.
SELLER__FAX	SELFAX	14(ALPHANUMERIC)20	Area code and telephone number, plus any extensions Example: (aaa)-nnn-nnnn-xnnnn.	The fax telephone number for contact person at Seller.
SELLER__NAME	SELNAME	1(ALPHANUMERIC)25	Free form text	The name an individual contact person at the Seller.
SELLER__PHONE	SELPHONE	14(ALPHANUMERIC)25	Free form text	The telephone number of a contact person as a Seller.
SERVICE__DESCRIPTION	SVCDESC	1(ALPHANUMERIC)200	Free form text	Information regarding a service.
SERVICE__NAME	SVCNAME	1(ALPHANUMERIC)25	Free form text	Name of service affected by the discretionary action.
SERVICE__TYPE	SVCTYPE	1(ALPHANUMERIC)25	Free form text	Type of service affected by the discretionary action.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
SINK	SINK	0(ALPHANUMERIC)14	Valid area name	The area in which the SINK is located.
SOURCE	SOURCE	0(ALPHANUMERIC)14	Valid area name	The area in which the SOURCE is located.
SPARE__CODE	N/A	0(ALPHANUMERIC)3	Defined by region	Spare code to be used at a later time. Used by PATH__NAME.
STANDARDS__ OF__ CONDUCT__ISSUE.	STDISSUE	0(ALPHANUMERIC)200	Free form text	Issues that were in violation of the FERC Standards of Conduct.
START__TIME	STIME	16(ALPHANUMERIC)16	Valid date and time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start date and clock time of a service. When used as a query variable, it requires the return of all items whose Stop time is after the Start time. Note that for some Templates when used as a query variable the time may be only valid up to the hour, day or month. If more data is given than is valid, the hour, day or month will be used to make the date and time inclusive, i.e. date or time will be truncated to valid hour, day or month.
START__ TIME__ POSTED	STIMEP	16(ALPHANUMERIC)16	Valid Date and Time to seconds: xlyyyy+mo+dd+hh +mm+ss+tz	Query parameter to indicate all the records are to be retrieved that were posted on or after this time.
START__ TIME__ QUEUED	STIMEQ	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start date and clock time of a service, used for requesting transactions queued after this time.
STATUS	STATUS	5(ALPHANUMERIC)25	Valid field (QUEUED, RECEIVED, STUDY, REBID, OFFER, ACCEPTED, REFUSED, CONFIRMED, WITHDRAWN, DISPLACED, ANNULLED, RETRACTED).	QUEUED=initial status assigned by TSIP on receipt of ''customer capacity purchase request''. RECEIVED=reassigned by TP to acknowledge QUEUED requests and indicate the service request is being evaluated. STUDY=assigned by TP to indicate some level of study is required or being performed to evaluate service request. OFFER=assigned by TP to indicate that an OFFER__PRICE is being proposed. REBID=assigned by TC to indicate a new BID__PRICE is being proposed. ACCEPTED=assigned by TP to indicate service request has been approved/accepted. If the reservation request was submitted PRECONFIRMED, OASIS shall immediately set the reservation status to CONFIRMED. Depending upon the type of ancillary services required, the Seller may or may not require all ancillary service reservations to be completed before accepting a request. REFUSED=assigned by TP to indicate service request has been denied, SELLER__COMMENTS should be used to communicate reason for denial of service.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
				CONFIRMED=assigned by TC in response to TP posting ''ACCEPTED'' status to confirm service. WITHDRAWN=assigned by TC at any point in request evaluation to withdraw the request from any further action. DISPLACED=assigned by TP when a ''CONFIRMED'' request from a TC is displayed by a longer term request and the TC has exercised right of first refusal (i.e. refused to match T&Cs of new request). ANNULLED=assigned by TP when, by mutual agreement with the TC, the transaction is to be voided. RETRACTED=assigned by TP when the TC fails to confirm or withdraw the transaction within the required time period.
STATUS__COMMENTS	STACOM	1(ALPHANUMERIC)80	Free form text	Informative text.
STATUS__NOTIFICATION	STATNOT ...	1(ALPHANUMERIC)200	http://URL:portnumber/directry/cgi script/query parameters or Mailto: <e-mail address.>.	The STATUS__NOTIFICATION data element shall contain the rptocol field ''http:'', which designates the notification method/protocol to be used, followed by all resource location information required; the target domain name and port designations shall be inserted into the notification URL based on the Customer's company registration information. The resource location information may include directory information, cgi script identifiers and URL encoded query string name/value pairs as required by the Customer's application, or mailto and email address for the status information the Customer wants to receive upon a change in STATUS of transstatus, or ancstatus.
STOP__TIME	SPTIME	16(ALPHANUMERIC)16	Valid date and time yyyy + mo + ddd + hh + mm + ss+tz.	Stop date and clock time. When used as a query variable, it requires the return of all items which start before the stop time. Note that for some Templates when used as a query variable the time may be only valid up to the hour, day or month. If more data is given than is valid, the hour, day or month will be used to make the date and time inclusive, i.e. date or time will be increased to include STOP__TIME.
STOP__TIME__POSTED	STPTIMEP ..	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz.	Query parameter to indicate all the records are to be retrieved that were posted on or before this time.
STOP__TIME__QUEUED	SPTIMEQ	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz.	Stop date and clock time, used for requesting transactions queued before this time.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
SUBJECT	SUBJ	1(ALPHANUMERIC)80	Free form text	Informative text used to summarize a topic in a message.
TARIFF__REFERENCE	TARIFF	1(ALPHANUMERIC)150	Free form text. Name and description of Tariff.	Tariffs approved by FERC.
TEMPLATE	TEMPL	1(ALPHANUMERIC)20	Valid Name of Template from Section 4.3 or from LIST Template.	The name of a logical collection of DATA__ELEMENTS in a User's interaction with an OASIS Node.
TIME__OF__LAST__UPDATE	TLUPDATE	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz.	Date and time to seconds that data was last updated. May be used to search data updated since a specific point in time.
TIME__POSTED	TIMEPST	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz.	Date and time a message is posted.
TIME__QUEUED	TIMEQ	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz.	Date and time that the request was queued.
TIME__STAMP	TSTAMP	16(ALPHANUMERIC)16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz.	Time data is created.
TS__CLASS	TSCLASS	1(ALPHANUMERIC)20	Valid classes: • FIRM • NON-FIRM • TTC • (Registered)	The transmission service classes provided. Three are pre-defined, while additional classes can be used if they are registered on TSIN.COM and shown in the Provider's LIST template page.
TS__PERIOD	TSPER	1(ALPHANUMERIC)20	Valid periods: ON__PEAK OFF__PEAK FULL__PERIOD (Registered)	The transmission service periods provided. Three are pre-defined, while additional periods can be used if they are registered on TSIN.COM and shown in the Provider's LIST template.

Data dictionary element name	Alias	Field format: minimum characters (type of ASCII) maximum characters	Restricted values	Definition of data element
TS__SUBCLASS	TSSUBC	1(ALPHANUMERIC)20	Free form	The transmission service subclasses provided. These are freeform.
TS__TYPE	TSTYPE	1(ALPHANUMERIC)20	Valid periods: • POINT__TO__POINT • NETWORK • (Registered)	The transmission service types provided. Two are pre-defined, while additional types can be used if they are registered on TSIN.COM and shown in the Provider's LIST template.
TS__WINDOW	TSWIND	1(ALPHANUMERIC)20	Valid periods: • FIXED • SLIDING • (Registered)	The transmission service windows provided. Two are predefined, while additional windows can be used if they are registered on TSIN.COM and shown in the Provider's LIST template.
TZ	TZ	2(ALPHANUMERIC)2	Valid time zone and indication whether daylight savings time is to be used.	Time zones: Atlantic time=AD, AS. Eastern time=ED, ES. Central time=CD, CS. Mountain time=MD, MS. Pacific time=PD, PS. Universal time=UT.
VALID__FROM__TIME	VALFTIME	16(ALPHANUMERIC)16	Valid Date and Time yyyy+mo+dd+hh+mm+ss+tz.	Date and time after which the message is valid.
VALID__TO__TIME	VALTTIME	16(ALPHANUMERIC)16	Valid date and time yyyy+mo+dd+hh+mm+ss+tz.	Date and time before which the message is valid.
VERSION	VER	1(REAL NUMBER)6	RANGE OF 1.0 TO 9999.9	Specifics which version of the OASIS Standards and Communication Protocol to use when interpreting the request.

[FR Doc. 98–17210 Filed 7–17–98; 8:45 am]

BILLING CODE 6717–01–M